

## 2018 Current Fiscal Year Report: Materials Technical Advisory Committee

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### 1. Department or Agency

Department of Commerce

### 2. Fiscal Year

2018

### 3. Committee or Subcommittee

Materials Technical Advisory Committee

### 3b. GSA Committee No.

360

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

10/19/2017

### 6. Expected Renewal Date

10/19/2019

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority Statutory (Congress Created)

### 12. Specific Establishment Authority

50 U.S.C. §§ 4601-4623 (Supp. III 2015)  
(the "Act")

### 13. Effective Date

07/12/1985

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee Scientific Technical Program Advisory Board

### 16a. Total Number of Reports

No Reports for this  
Fiscal Year

### 17a. Open 0 17b. Closed 0 17c. Partially Closed 3 17d. Total 3 Meetings and Dates

Purpose	Start	End
To discuss Safeguarding the Bioeconomy: Challenges to Data Security, Health and National Security, and reporting by regime representatives.	03/08/2018	03/08/2018
Regime discussions, Working group reporting and presentation from Battelle.	05/10/2018	05/10/2018
Presentation from Teijin Carbon, USA, Gryphon Scientific, USA, and Regime discussions	09/06/2018	09/06/2018

### Number of Committee Meetings Listed: 3

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$35,466.00	\$35,466.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00

<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$2,389.00	\$2,389.00
<b>18d. Total</b>	\$37,855.00	\$37,855.00
<b>19. Federal Staff Support Years (FTE)</b>	0.30	0.30

**20a. How does the Committee accomplish its purpose?**

The Materials Technical Advisory Committee (MTAC) focused on the following issues in FY2018: Briefings provided by the Bureau of Industry and Security (BIS). Information conveyed in the briefings included: A Call to industries to train Supply Chain Management (SCM). The 1962 Steel Expansion Act, Section 232. Russia sanctions. Bill for Export Control Reform Act of 2018. Executive Order 13771 (2-3-17). Authorization of Foreign Investment Risk Review Modernization Act Fiduciary and Investment Risk Management Association and Committee on Foreign Investment in the United States. Amendment to the Export Administration Regulation-National Institute of Standards and Technology Quantum radio-military applications, higher level control. Tritium and commercial cryptography was added to Commerce Control List (CCL). How to classify Emerging Technologies and whether they can be added to CCL. Notice of Inquiry on Emerging Technologies to be published. The Australia Group (AG) discussed: Addition of precursor salts to AG List was adopted at the AG Plenary Meeting. AG requests and update on sprayers and foggers. Addition of prefabricated tantalum repair assemblies to the reaction vessels and storage tanks entries. Replacement of the word "capacity" to "total internal volume" in the fermenters control; and addition of nucleic acid assemblers and synthesizers. The Chemical Weapons/Biological Weapons Convention (CWC/BWC) discussed: The 290 of 300 countries report on Chemical and Biological weapons. The Review Conference and Spain is the Chair for National Implementation and the CWC Declaration Cycle and Bio Weapons Review Conference. Technical and special briefings were provided to the MTAC: Synthetic Biology and Genomic Engineering; Safeguarding the Bioeconomy. Challenges to Data Security, Health, and National Security. Threat SEQ–Web-based Rapid Screening of DNA Sequences. Fine Powder Dissemination and Efficient Munitions. United Nation Weapons Inspections in Pre-War Iraq. Automated Export System and Automated Commercial Environment and Streamlining Licensing and Executive Order 13771 (The 2 for 1 Rule Making Order). Goals for FY2019: The MTAC will maintain pre-scheduled meetings for FY2019 with the goal of maximizing the membership and official attendance. The dates for the MTAC are synchronized with the TRANSTAC. TRANSTAC and MTAC have plans to work together on issues affecting both Category 1 and Category 9. Teleconferencing for open and closed sessions will continue as well as recruitment of additional eligible members. Members are encouraged to raise awareness of the MTAC and suggest membership to appropriate representatives of suitable companies. The Composite Working Group, The Chemical Equipment Working Group, and the Biological Working Group, and Public Domain group will continue to draft

and/or evaluate relevant proposals for improvement of regime controls and provide technical support and consultation for U.S. Government discussions on MTAC related issues. The MTAC will continue to have technical presentations on relevant subjects from industry experts and government employees.

**20b. How does the Committee balance its membership?**

The MTAC is composed of representatives from industry and government who provide technical advice to the Department on export control issues related to Category 1, items listed in the Export Administration Regulations. The Committee's activities include evaluation and commentary on data and other evidence available from the Department, other reliable sources, and its own experience. The Department of Commerce selects members of the MTAC from a wide range of sources. The members either possess technical knowledge of advanced materials or are involved in their manufacture and export.

**20c. How frequent and relevant are the Committee Meetings?**

The MTAC met three times during FY 2018. The MTAC successfully addressed technical issues related to the commodities and technology within Control List Category 1.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

The MTAC reviews proposals regarding Control List Category 1 (materials, chemicals, microorganisms, and toxins). Through this Committee, the Department of Commerce can obtain the advice of otherwise unavailable individuals who possess a high quality of expertise in the areas of advanced materials. No other sources within the Government can advise on the technical parameters for export controls in these areas.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

Closed sessions are held to allow for discussion of information classified for reasons of national security, information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action, or information of a commercial or financial nature that is privileged or confidential.

**21. Remarks**

Authorized by the Export Administration Act of 1979 (50 U.S.C. app. 2401-2420) as amended by the Export Administration Amendments Act of 1985, P.L. 99-64, 99 Stat. 120 (July 12, 1985). Although the Export Administration Act of 1979 (EAA), as amended, has expired, its provisions and those of the Export Administration Regulations were continued in effect, and to the extent permitted by law, when the President by Executive Order

invoked the International Emergency Economic Powers Act.

## Designated Federal Officer

Betty Lee DFO

Committee Members	Start	End	Occupation	Member Designation
Casagrande, Rocco	07/25/2018	07/25/2022	Gryphon Scientific	Representative Member
Diggans, James	06/01/2016	06/01/2020	Twist Bioscience	Representative Member
Foot, Kenneth	11/04/2016	11/04/2020	Dow Corning Corporation	Representative Member
Johnson, Judith	12/05/2012	11/04/2020	Toho Tenax America, Inc.	Representative Member
Manger, David	01/14/2013	11/04/2020	Toray Composites America, Inc	Representative Member
Mantell, Janet	04/03/2015	04/03/2019	Harper International Corporation	Representative Member
Matsumura, Patrick	07/25/2018	07/25/2022	Hexcel Corporation	Representative Member
McClafferty, Eric	07/25/2018	07/25/2022	Kelley Drye & Warren, LLP	Representative Member
Zahradnik, Clara	01/14/2013	11/04/2020	DuPont Chemicals and Fluoroproducts	Representative Member

**Number of Committee Members Listed: 9**

## Narrative Description

The Materials Technical Advisory Committee provides the Department of Commerce with an extremely high level of technical and business expertise from a cross section of the biotechnology and materials industries. Its advice on the practicability and effectiveness of export controls on etiological agents, materials, and the related instrumentation and technology has been invaluable to the Department in developing export policy. The Committee is a readily available resource for the Department to call on in preparing for negotiations within the applicable multilateral regimes.

## What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

## Outcome Comments

NA

## What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

### **Cost Savings Comments**

NA

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

0

### **Number of Recommendations Comments**

Although the Committee met three times, there were no recommendations in FY18.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

0%

### **% of Recommendations Fully Implemented Comments**

NA

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

0%

### **% of Recommendations Partially Implemented Comments**

NA

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

### **Agency Feedback Comments**

The agency involves the Materials Technical Advisory Committee in the process of implementing the negotiated export controls through the Export Administration Regulations.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

	Checked if Applies
Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input checked="" type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Action Comments**

NA

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

NA

**How is access provided to the information for the Committee's documentation?**

	Checked if Applies
Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

**Access Comments**

N/A